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# COTTON LITERATURE

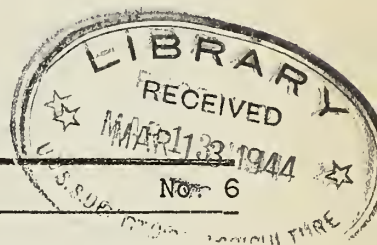
## SELECTED REFERENCES

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COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING,  
BUREAU OF AGRICULTURAL ECONOMICS, WASHINGTON, D. C.

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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

PRODUCTIONBotany

Afzal, Mohammad, and Iyer, S. S. A statistical study of the growth of main stem in cotton. Indian Jour. Agr. Sci. 4(1): 147-165. Feb. 1934. (Published at Delhi, India)  
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Blagoveshchenskii; Bogoliubova, V. A., and Sosedov, N. I. K fiziologii khlopchatnika, porazhennogo pautinnym kleshchikom. Tashkent, Nauchno-issledovatel'skii Institut po Khlopkovodstvu. Proc. All-Union Scientific Research Institute of Cotton Culture and Industry (NIKhI), no.23, 21 pp., tables. Tashkent, U.S.S.R. 1931.

"Literatura", pp. 19-20.

Conclusions in English.

Physiology of cotton infested by the epitetranichus.

Harland, S.C. The genetics of cotton. Part IX. Further experiments on the inheritance of the crinkled dwarf mutant of G. Barbadense L. In interspecific crosses and their bearing on the Fisher theory of dominance. Jour. Genetics 28(2): 315-325. Illus., tables. Dec. 1933. (Published by Cambridge University Press, Fetter Lane, E.C.4, London, England)

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"Ispol'zovannaia literatura", pp. 37-39.

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The question of cotton genetics.

Mason, T. G., and Phillis, E. Studies on the transport of nitrogenous substances in the cotton plant. VI. Concerning storage in the bark. Ann. Bot. 48(190): 315-333. Apr. 1934. (Published at London, England)

Warner, M. F., Sherman, M. A., and Colvin, E. M. A bibliography of plant genetics. 552 pp. U. S. Dept. of Agr. Misc. Pub. 164. Washington, D. C. 1934.

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Zaitsev, G. S. Khlopchatnik. Tashkent Nauchno-issledovatel'skii Institut po Khlopkovodstvu. Proc. All-Union Scientific Research Institute of Cotton Culture and Industry (NIKhI), no. 26, 180 pp., illus., tables. Tashkent, U.S.S.R. 1930.



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The cotton plant.

### Agronomy

Borodina, N. V. Udobreniia i sroki poliva, 1927-1928. Tashkent, Nauchno-issledovatel'skii Institut po Khlopkovodstvu. Proc. All-Union Scientific Research Institute of Cotton Culture and Industry (NIKhI), no. 23, 28 pp., tables, charts. Tashkent, U.S.S.R. 1030.

English summary.

Fertilizers and the schedule of watering.

Burleson, D. J. Cotton fertilizer paid well. Agr. Leaders' Digest 15(3): 24-25. May, 1934. (Published at 537 Dearborn St., Chicago, Ill.)

"The conclusion is that 100 or 150 pounds of nitrate of soda alone, or an equivalent amount in other nitrogenous fertilizer such as cyanamid or sulfate of ammonia will be most profitable."

Carnes, A. Soil crusts. Methods of study, their strength and a method of overcoming their injury to cotton stand. Agr. Engin. 15(5): 167-169, 171. May, 1934. (Published at St. Joseph, Mich.)

Dashevskii, L. I. Dinamika vodnorastvorimyykh pitatel'nykh soldinenii v pochve v sviazi s polivami. Gandja. Zakavkazskii Nauchno Issledovatel'skii Kklopkov. Institut. Trudy 24, 70 pp., tables, charts. Tiflis. 1932.

"Spisok literatury," p.67.

English summary, pp. 68-70.

Nitrification of cotton soils under irrigation is discussed.

Domin, S. N. Peresadochniia kul'tura na Andizhanskom opytном pole "Avgan-Bag" v 1929 g. Tashkent, Nauchnoissledovatel'skii Institut po Khlopkovodstvu. Proc. All-Union Scientific Research Institute of Cotton Culture and Industry (NIKhI), no.25, 19 pp., tables, charts. Tashkent, U.S.S.R. 1930.

Transplanting culture at the Andizhansk experimental field "Avgan-Bag," 1929.

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English summary, pp. 17-18.

Calculation of the optimal thickness of sowing from experimental data.

Ellis, R. E. How to cultivate cotton cheaply. Prog. Farmer and South. Ruralist (Car.-Va. ed.) 49(5): 7, illus., May, 1934. (Published at Raleigh, N. C.)

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Ellis, R. E. Plowing cotton cheaply. Prog. Farmer and South. Ruralist (Ga.-Ala. ed.) 49(5): 21. May, 1934. (Published at Birmingham, Ala.)

Fornasaro, Ferruccio. Generalidades sobre o algodao. Revista Sociedade Rural Brasileira 14(164): 20-23, illus. Apr. 1934. (Published at Rua Libero Badaro, 45, Sao Paulo, Brazil)

Generalities regarding cotton.

Describes varieties, cultivation, etc.

How thick should we space cotton? Prog. Farmer and South. Ruralist (Car.-Va. ed.) 49(5): 12, table. May, 1934. (Published at Raleigh, N. C.)

Extracts from reports of work done at North Carolina Coastal Plains Experiment Station. Table gives spacing and average yield of three years' test.

Moskalenko, S. S., and Plamenevskii, P. N. Khlopkovodstvo; prakticheskii kurs dlia vuzov. 127 pp., illus. Moskva, 1933.

Cotton growing; practical college course.

New cotton variety developed. Farm and Ranch 53(8): 11. Apr. 15, 1934. (Published at 3306 Main St., Dallas, Tex.)

"The experiment station near Chillicothe has developed a new cotton variety known as Mebane 141 which is particularly adapted to the Northwest Texas cotton producing region. J. R. Quinby, superintendent of this station, reports that this year 23 acres planted to this cotton on the station produced twenty-four bales. Its average actual yield for four successive years in tests on the station has been 380 pounds of lint cotton per acre."

Paden, W. R. Responses from various sources of nitrogen fertilizers. Amer. Fert. 80(10): 5-7, 22, 24. May 19, 1934. (Published by Ware Brothers Company, 1330 Vine St., Philadelphia, Pa.)

Penzin, Ia. E. Kratkii otchet po opytam s khlopchatnikom na severnom kavkzae i v krymu za sezon 1929 goda. Tashkent, Nauchno-issledovatel'skii Institut po Khlopkovodstvu. Proc. All-Union Scientific Research Institute of Cotton Culture and Industry (NIKHI), no. 16, 37 pp., illus., tables.

Tashkent, U.S.S.R. 1930.

Brief report of experiments with cotton plants in the Northern Caucasus and the Crimea, season 1929.

Phillips, S. W. Soil rebuilding at the Red plains erosion station. Jour. Amer. Soc. Agron. 25(5): 346-350. May, 1933. (Published at Geneva, N.Y.)

"The investigation described included work at the Red Plains Erosion Station, near Guthrie in central Oklahoma, on erosion and run-off rates and fertility losses, on vegetational and other means of control and on the reclamation of eroded soils. A continuous plat lost four times as much soil as did a plat in clover, cotton and wheat rotation." - Textile Inst. Jour. 25(3): A107. Mar. 1934.

Pisemskaja, V. A. Formy azotnykh udobrenii pod khlopchatnik. Gandja. Zakavkazskii Nauchno Issledovatel'skii Khlopkov. Institut. Trudy 27, 62 pp., tables, charts. Tiflis. 1932.

"Literatura", p. 61.

English summary, pp. 58-60.

Forms of nitrogenous fertilizers for cotton plants.

Pudovkina, Z. M. Promyshlennye selektsionnye sorta khlopka. 39 pp., illus. Moskva [etc.] 1933.

Industrial breeding of cotton varieties.

Reynolds, E. B., Johnson, P. R., and Langley, B. C. The effect of time and rate of application of nitrate of soda on the yield of cotton. Tex. Agr. Expt. Sta. Bull. 490, 20 pp., tables. College Station. 1934.

"All of the fertilizers used increased yield, size of boll, number of bolls per plant, percentage of 5-lock bolls, size of plant, number of fruiting branches, and earliness. Fertilizers, however, did not increase the length of lint, nor the percentage of lint, nor did they reduce the amount of shedding."

Seidemann, Albert. État actuel et premiers résultats des travaux d'amélioration exécutés en Égypte sur le coton et le blé par le Dr. B. Kajanus. Bull. Union des Agriculture d'Égypte 30(229): 65-74. Feb. 1934. (Published at 25, Rue Cheikh Abon El Sebaz, Cairo, Egypt)

A description of the work of the late Dr. Kajanus on selection and hybridization of cotton, wheat, and oats. Two types of cotton, Maarad and Zagora, after selection for five generations, have shown a definite improvement in yield and quality. The length of fibre in millimetres was 42.2 for Maarad and 31.0 for Zagora." - Empire Cotton was Growing Rev. 11(2): 162, Apr. 1934.



Soyer, D. La désinfection des graines de coton. Bul. Agr. Congo Belge 23(4): 399-421. illus. Dec. 1932. (Published by the Direction de l'Agriculture du Ministère des Colonies, Place Royale, 7, Bruxelles, Belgium)

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Stroman, G. N. Cotton breeding investigations, 1928 to 1932. N. Mex. Agr. Expt. Sta. Bull. 217, 39 pp., illus. State College. 1934.

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Tisdale, H. B. Cotton varieties for Alabama. Prog. Farmer (Ga.-Ala. ed.) 49(4): 20. Apr. 1934. (Published at 821 North 19th St., Birmingham, Ala.)

Two new cotton varieties. Prog. Farmer and South. Ruralist (Tex. ed.) 49(5): 14. May, 1934. (Published at Dallas, Tex.)

Mars Rose and Mebane 141 are compared.

Wells, W. G. Cotton growing on new cultivations. Queensland Agr. Jour. 41(4): 362-366. Apr. 1, 1934. (Published at Brisbane, Queensland)

Williams, C. B., Cobb, W. B., and Mann, H. B. Agricultural classification and evaluations of North Carolina soils including the fertilization of crops on soil groups. N. C. Expt. Sta. Bull. 293, 157 pp., illus., tables. Raleigh, 1934.

Includes statement of relative value of North Carolina soils for production of adapted crops, including cotton, and fertilizers needed.

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"Spisok literatury," p.39.

Egyptian cotton varieties (Sea Island) for Zakavkaz.

Zhukov, A. G. Opyty s udobreniiami v khlopkovykh raionakh Zakavkaz'ia. (po dannym seti opytnykh uchastkov Zak. NIKhI) Gandja. Zakavkazskii Nauchno Issledovatel'skii Khlopkovyi Institut. Trudy 30, 96 pp., tables, charts. Azerneshr. 1932.

Experiments with fertilizers in the cotton regions of Transcaucasia (according to the data from experimental plots of the Transcaucasian Cotton Research Institute)

## Diseases

Dastur, Jehangir fardunji. Cotton anthracnose in the central provinces. Indian Jour. Agr. Sci. 4(1): 100-120, illus. Feb. 1934. (Published at Delhi, India)  
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Ezekiel, W. N., Taubenhause, J. J., and Fudge, J. F. Nutritional requirements of the root-rot fungus *Phymatotrichum omnivorum*. Plant Physiol. 9(2): 187-216, illus. Apr. 1934.

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Contrib. no. 215, Tech. Ser., Tex. Agr. Expt. Sta.

Stoughton, R. H. The influence of environmental conditions on the development of angular leaf-spot disease of cotton. V. The influence of alternating and varying conditions on infection. Ann. Appl. Biol. 20 (4): 590-611, tables. Nov. 1933. (Published at Fetter Lane, E. C. 4., London, England)

References, p. 611.

"Experiments on the influence of variations in the environmental conditions on the bacterial disease of cotton plants caused by *Bacterium malvacearum* are described. A regular diurnal variation in soil temperature is shown to have the same effect on primary infection of seedlings as a constant temperature near the mean of the fluctuations." -- Empire Cotton Growing Rev. 11(2): 151. Apr. 1934.

Abstract also in Textile Inst. Jour. 25(3): A110. Mar. 1934.

## Insects

Bredo, H. J. Note sur *Argyroplote leucotetra* Meyr. Bulletin Agricole du Congo Belge 24(2): 150-156, illus. June, 1933. (Published by Direction Generale de l'Agriculture, Place Royale, 7, Bruxelles, Belgium)

"*Argyroplote leucotetra*, Meyr., which has been known for 30 years as a pest of citrus in South Africa, has become widely distributed and injurious to cotton in the Belgian Congo. All stages are described, and the characters distinguishing it from *Platyedra gossypiella*, Saund., with which it has been sometimes confused, are given." -- Empire Cotton Growing Rev. 11(2): 145. Apr. 1934.

[Hoyt, A. S.] Campaign against pink bollworm. Cotton Digest 6(33): 9. May 26, 1934. (Published by Cotton Exchange Bldg., Houston, Tex.)

"Wild cotton has been wiped out from nearly 4000 acres in Southern Florida in a campaign to exterminate the pink bollworm of cotton there, according to Avery S. Hoyt, Acting Chief of the Bureau of Plant Quarantine, U. S. Department

of Agriculture, who recently made a survey of the work now under way."

International congress of entomology. Ve Congrès international d'entomologie, Paris, 18-24, Juillet 1932. 2v. Paris, Secrétariat du Congrès, 1933.

La chenille du cotonnier (*Alabama argillacea* Hubner) en Haiti, par André Andant, v. 2., pp. 483-487. (The cotton caterpillar (*Alabama argillacea* Hubner) in Haiti)

Li, F.S. Pink bollworm (*Pectinophora gossypiella*, Saund.) Ent. and Phytopath. 1(11-13): 240-250, 260-266, 288-298. Apr. 11, 21, May 1, 1933. (Published at Hangchow, China). In Chinese. English summary, pp. 293-295.

"*Platyedra* (*Pectinophora*) *gossypiella*, Saund., has two generations a year in Shanghai, and requires about forty-eight days to complete its life-cycle. The pupal period of the resting-cycle larvae is much longer than that of the summer brood. It is the most destructive cotton pest in China, injuring the flower-buds, flowers, bolls and squares and seriously affecting the strength, weight, and grade of the cotton fibre. In 1931 it was responsible for a loss of approximately 5,000,000 with an average of 24s. an acre. The usual methods of control are recommended, particularly those designed to destroy the resting cycle larvae." - Empire Cotton Growing Rev. 11(2): 146. Apr. 1934.

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References on the use of airplanes in boll weevil control are included.

Nikol'skii, V. V. Vopros o khlopkovykh vrediteliakh na IV mezhdunarodnom entomologicheskome kongresse. Tashkent, Nauchnoissledovatel'skii Institut po Khlopkovodstvu. Proc. All-Union Scientific Research Institute of Cotton Culture and Industry (NIKhI), no. 21, 39 pp., illus. Tashkent, U.S.S.R. 1930.

Question of cotton pests, at the 4th International Entomological Congress.

Pest control program is approved. Cotton Digest 6(33): 11. May 26, 1934. (Published at Cotton Exchange Bldg., Houston, Tex.)

"General approval of the program of the U. S. Department of Agriculture for controlling cotton insect pests is expressed in the report of a committee of four Southern state entomologists which recently surveyed the department's activities in this field at the request of Lee A. Strong, Chief of the Bureau of Entomology."



Also in Amer. Ginner and Cotton Oil Miller 11(9): 21. May, 1934.

Sao Paulo, Brazil (City). Instituto biologico de defesa agricola e animal. Seçcao de entomologia e parasitologia agricolas. Guia...Exposicao dos trabalhos da Secretaria da agricultura, sob a orientacao do dr. Fernando Costa, Setembro de 1930. 142 pp., illus. Sao Paulo, Typ. Casa Garraux, 1930.

Reports on cotton insects, including the pink bollworm, are given, pp. 63-78.

Schaffnit, Ernst, and Lüdtkke, Max. Über die bildung von toxinen durch verschiedene pflanzenparasiten. Berichte der Deutschen Botanischen Gesellschaft 50(9): 444-463, illus., tables. Dec. 29, 1932. (Published by Gustav Fischer, Jena, Germany)

Formation of toxins by various plant parasites.

"An account is given of investigations on the chemical nature and effects of toxins secreted by Ophiobolus graminis, Fusarium vasinfectum, F. lycopersici and Didymella lycopersici. Cotton plants were injured or killed by the filtrates of cultures of F. vasinfectum on Richard's solution, the optimum temperature for the development on which was found to be 24° to 28° C. Wilting of cotton began after 28 hours in the filtrate of a week-old culture of F. vasinfectum; at and after five weeks old the culture filtrates were capable of destroying the plants in a few hours (seven at the most)." - Jour. Textile Inst. 24(9): A480. Sept. 1933.

### Farm Engineering

Mechanical cotton picker demonstrated at carnival. Mid-South Cotton Assn. News 11(10): 2, illus. May, 1934. (Published by Mid-South Cotton Growers Association, Memphis, Tenn.)

A picker to be exhibited at the Memphis cotton carnival May 16-19, 1934, is described.

### Farm Management

Gorelov, V. P. Printsipy organizatsii i planirovaniia krupnykh khlopkovykh khoziaistv krednei Azii. Tashkent, Nauchno-issledovatel'skii Institut po Khlopkovodstvu. Proc. All-Union Scientific Research Institute of Cotton Culture and Industry (NIKhI), no. 17/1, 136 pp., tables, charts. Tashkent, U.S.S.R. 1930.

Organization and management of large cotton farms in Central Asia.



Kosov, A. Vliianie avtotransporta na razmery krupnogo khlopkovogo khoziaistva. Tashkent Nauchno-issledovatel'skii Institut po Khlopkovodstvu. Proc. All-Union Scientific Research Institute of Cotton Culture and Industry (NIKhI), no. 17, 31 pp., tables, charts. Tashkent, U.S.S.R. 1930.  
English summary.

Autotransport as factor influencing the development of the cotton growing large scale farming.

### Farm Social Problems

Creel, George. A correction from Mr. Creel. Nation 138 (3581): 222. Feb. 21, 1934. (Published at 20 Vesey St., New York, N. Y.)

Correction of an article by M. A. DeFord noted in April issue of Cotton Literature.

Hoover, C. B. Human problems in acreage reduction in the South. Oil Miller and Cotton Ginner 64(3): 11-12. May, 1934. (Published at 161 Spring St., N.W., Atlanta, Ga.)  
To be concluded.

The author discusses the effect of cotton acreage reduction on cash tenants, share tenants and share croppers.

### Cooperation in Production

Pottawatomie turns to Acala No. 8. Okla. Farmer-Stockman 47(10): 238, illus. May 15, 1934. (Published by Oklahoma Publishing Co., Oklahoma City, Okla.)

"More than 700 farmers in northern Pottawatomie county, Okla., are this spring planting the same variety of cotton, using pure seed produced under the supervision of the Pottawatomie County Cotton Growers Association. The variety is Acala No. 8."

Rashad, J. The co-operative movement in Egypt. Internatl. Inst. Agr. Mo. Bull. Agr. Econ. and Sociol 25(2): 62-75, tables. Feb. 1934. (Published at Villa Umberto I, Rome (110) Italy)

Cottonseed is one of the commodities purchased by co-operative societies.

### PREPARATION

### Ginning

Bennett, C. A. Factors in good ginning. Amer. Ginner and Cotton Oil Miller 11(9): 4, 6, 22. May, 1934. (Published at 14 Cotton Exchange Bldg., Little Rock, Ark.)

"Address delivered before convention of Oklahoma Cotton Ginners' Association, Oklahoma City, April 19, 1934."

Bennett, C. A. Seed-cotton driers have proved that they are worth their salt. *South. Agr.* 64(5): 6, illus. May, 1934. (Published at 1523 Broadway, Nashville, Tenn.)

Caulfield, J. H. Cooperative cotton ginning. *Coop. Marketing Jour.* 8(1): 19-21. Jan.-Feb. 1934. (Published by National Cooperative Council, 1731 Eye St., N. W., Washington, D.C.)

Gerdes, F. L. Driers improve quality. *South. Agr.* 64(5): 6, illus. May, 1934. (Published at 1523 Broadway, Nashville, Tenn.)

Gerdes, F. L. Some cotton quality elements as influenced by ginning. 13 pp., mimeogr. Washington, D. C., U. S. Dept. of Agriculture, Bureau of Agricultural Economics, [1934].

"Address, Georgia State Ginners' Association, Atlanta, Ga., May 24, 1934."

Work of the Cotton Utility and Standards Research Section of the United States Bureau of Agricultural Economics is briefly described. Effects of moisture, saw speeds, and seed-roll density on ginning are discussed.

Grayson, T. V. Watt-hours cheaper than burrs as cotton gin power. *Elect. World* 103(11): 400-403, illus., tables. Mar. 17, 1934. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N.Y.)

"Ginning a bale of cotton takes from 18 to 30 kw. hr., average nearer 20, during the eleven to fifteen minutes required for the process, the shorter time being more advantageous. Power consumption of the fans can often be reduced merely by slowing them down, and this without detriment to the functioning of the gin.

"Zero-cost fuel, in the shape of burrs from 'bollie' cotton, can frequently be hauled away at less cost than burning it for steam generation, electric power thus being cheaper in the face of free fuel."

Lumus gyrator distributor. *Amer. Ginner and Cotton Oil Miller* 11(6): 11, illus. Feb. 1934. (Published by American Ginner Publishing Co., P.O. Box 504, Little Rock, Ark.)

Moberg, A. R. Boiler water treatment in the cotton gin. *Amer. Ginner and Cotton Oil Miller* 11(9): 9-10. May, 1934. (Published at 14 Cotton Exchange Bldg., Little Rock, Ark.)

[Texas cotton ginners' association] Resolutions adopted by the twenty-fifth annual convention. *Cotton Ginners' Jour.* 5(8): 5-6, 17. May, 1934. (Published at 109 Second Ave., Dallas, Tex.)

Baling

Cotton spinner. Master cotton spinners of world endorse sale of cotton by net weight and cotton covering. Cotton Trade Jour. 14(17): 11. Apr. 28, 1934. (Published at New Orleans, La.)

Mr. N. S. Pearse of the International Federation of Master Cotton Spinners and Manufacturers Associations is quoted.

Ginners endorse sale of cotton by net weight. Cotton Trade Jour. 14 (20): 3, illus. May 19, 1934. (Published at New Orleans, La.)

Resolution adopted at meeting at Monroe, La., May 17, 1934.

MARKETINGGeneral

Campion, H. American raw cotton policy. Manchester School 5(1): 32-53. 1934. (Published by University Press, Manchester, England)

The author discusses the theory and practice of stabilization in the United States, and concludes that "since American cotton growers are dependent on export trade for the sale of half their production, attempts to raise American cotton prices abroad are likely to result in increased competition and to the substitution of other growths unless some kind of international agreement among the raw cotton producing countries is possible... If American cotton growers intend to keep their export trade in raw cotton they should consider along with price raising schemes any opportunities which will make the present level of cotton prices more profitable to themselves."

Cotton. Decline in trade checked. Negotiations with India and Japan. Times (Ann. Financ. and Com. Rev.): 27. Feb. 6, 1934. (Published at Printing House Square, London, E.C.4, England)

Reviews the cotton trade for 1933.

[International federation of master cotton spinners' and manufacturers' associations. Joint Egyptian cotton committee] Resolutions adopted at its meeting held in Cairo on February 19, 1934. Internatl. Cotton Bull. 12 (47): 291-293. Apr. 1934. (Published at Manchester, England)

Resolutions relate to payment for humidity tests, Egyptian standards for grade, Egyptian standards for quality, length and strength, cotton bagging, foreign matter and mixing, Prague resolution, ginners' co-operation and direct transactions between cotton producers and spinners.



[International federation of master cotton spinners' and manufacturers' associations. Joint Egyptian cotton committee] Resolution on humidity in Egyptian cotton. Internatl. Cotton Bull. 12(47): 319-321. Apr. 1934. (Published at Manchester, England)

Reprint of a resolution adopted January 31, 1931, with comment.

Japan-Manchoukuo year book. 1094 pp., maps, tables, charts. Tokyo, Japan-Manchoukuo Year Book Co., 1934.

Cotton-spinning, Japan, pp. 404-406; cotton-spinning Manchoukuo, pp. 604-606; raw cotton production, Manchoukuo, p. 636.

Nahas, Youssef. Direct transactions between cotton producers and spinners. Internatl. Cotton Bull. 12(47): 305-306. Apr. 1934. (Published at Manchester, England)

The author discusses the Egyptian cotton situation.

Texas cotton committee. Proceedings no. 7. 24 pp. mimeogr. Austin. 1933.

The following papers are included: Classification of cotton in the local market, by L. P. Gabbard, pp. 1-5; Selling cotton on its merits in one-variety cotton communities, by R. F. Saunders, pp. 9-12; Standardizing and marketing cotton on its staple merits, the Taylor plan, by W. N. Elam, pp. 13-16; Cotton values, by V. C. Marshall, p. 19; Changes in merchants' methods of buying cotton in local markets, and their relationship to the topic under discussion, by Robert Mayer, pp. 20-21; Buying on individual bale merits, by W. T. Burns, pp. 22-24.

Todd, J. A. The marketing of cotton from the grower to the spinner. 250 pp., tables, charts. London, Sir Isaac Pitman & Sons, Ltd., 1934.

Bibliography, pp. 243-244.

"The world's cotton supplies had already been dealt with fully by the writer in the World's Cotton Crops, but as that was first published in February, 1915, the opportunity has been taken here to bring that section down to date. The description of the whole marketing process has been extended to cover not only the Liverpool Cotton Market, but also all the earlier marketing stages from the grower to the exporter, and it has been widened to cover not only the American markets but also those of India, Egypt, and the smaller cotton-growing countries. At the same time the history of the world's consumption has been carried through the post-war period." - Preface. Chapter headings follow: The meaning of a market; The world's cotton market; The primary markets; The Liverpool cotton market -- spot and futures marketing; Finance; Market information and statistics; Government intervention.



## Demand and Competition

Albitreccia, A. La situation des grandes industries textiles en France: coton, laine, soie, soie artificielle. Annales de Geographie 42(237): 233-247. May 15, 1933. (Published at Paris, France)

The situation in the important textile industries in France: cotton, wool, silk, artificial silk.

Anglo-Japanese cotton discussions. Internatl. Cotton Bull. 12(47): 363-370. tables. Apr. 1934. (Published at Manchester, England)

From Manchester Guardian.

Gives "(1) the full text of the Lancashire memorandum sent to the Japanese delegates in the hope of saving the Anglo-Japanese cotton discussions from the breakdown which came on March 14, and (2) the full text of the Japanese reply presented by Mr. Okada."

Association of British chambers of commerce. Resolutions at annual meeting: Mr. Bond's speech on Japanese competition. Manchester Chamber of Commerce. Mo. Rec. 45(4): 101-103. Apr. 30, 1934. (Published at Ship Canal House, King St., Manchester, England)

Report of annual meeting in London, April 19 and 20, 1934.

The speech by Mr. Richard Bond includes comparison of British and Japanese prices of certain cotton fabrics.

Chew, A. P. America's cotton experiment. Flexible AAA policies with an eye to holding export business. Barron's 14(16): 9, 12. Apr. 16, 1934. (Published at 44 Broad St., New York, N. Y.)

"In last week's Barron's Frederick W. Tattersall outlined the dangers that the United States was running of losing foreign cotton markets by its policy of crop restriction and price raising. This possibility was fully appreciated by the AAA when it formulated its cotton program, according to the author of this present article, who is connected with the Department of Agriculture. Information gathered by the department has led it to the belief that foreign cotton acreage was unlikely to be increased materially or permanently. The presence of the large carry-over offers some assurance to our foreign cotton-market position, at least for the time being. While the AAA's policy on cotton is fixed for 1934, future plans will be shaped in the light of developments at home and abroad."

Cloth-weaving industry of Weih sien. Chinese Econ. Bull. 24(9): 131-135. Mar. 3, 1934. (Published by Bureau of

Foreign Trade, Ministry of Industry, Customs Bldg., Shanghai, China)

"The making of cotton-cloth at Weihsien, Shantung, though followed as a household occupation, is of considerable importance in the rural economy of the district."

Competition in the cotton industry. Discussions between Great Britain, India and Japan. Indus. and Labor Inform. 49(6): 181-182. Feb. 5, 1934. (Published by International Labour Office, Geneva, Switzerland)

The discussions concerning British-Indian industrial negotiations, Indo-Japanese commercial negotiations and Anglo-Japanese negotiations are briefly summarized.

Cotton wages by legislation. Textile Weekly 13(323): 281-292. May 11, 1934. (Published at 49 Deansgate, Manchester, England)

Gives text of a bill introduced in the British House of Commons May 3, 1934, "to make temporary provision for enabling statutory effect to be given to rates of wages between representative organizations in the cotton weaving industry."

Cotton week arouses Nation. Fourth annual promotional campaign from May 14 to 19 receives aggressive support from coast to coast--Individuals, manufacturers, chains and associations to aid biggest drive. Amer. Wool and Cotton Rptr. 48(19): 17-18, 43. May 10, 1934. (Published by Frank P. Bennett & Co., 530 Atlantic Ave., Boston, Mass.)

Cotton week in U. S. A. Textile Weekly 13(321): 228-229, illus. Apr. 27, 1934. (Published at 49 Deansgate, Manchester, England)

Everett, C. K. National cotton week. Textile Bull. 46(11): 3, 18. May 10, 1934. (Published by Clark Publishing Co., 118 West 4th St., Charlotte, N.C.)

The future of the Indian market. Textile Recorder 51(613): 17-18. Apr. 1934. (Published at 121 Deansgate, Manchester, England)

Comment on the report of the Indian Tariff Board regarding protection for the Indian cotton industry.

Gerard, J. W. Self-containment and the south. Manufacturers Rec. 103(5): 19, 56. May, 1934. (Published at Commerce and Water Streets, Baltimore, Md.)

"Large areas in the South are economically geared for a state of economic interdependence of nations which science has broken down. They are awaiting the revival of inter-

national trade while science is destroying it by making nations self-sufficient permanently closing many export markets and radically reducing others... Not only have our foreign outlets for cotton thereby been reduced, but the increasing culture of cotton in India, Egypt, Russia and some South American countries still more reduces our share of available world markets."

H, J. W. Manufacturing ramie fibre. Textile Weekly 13(319): 176-177, illus. Apr. 13, 1934. (Published at 49 Deansgate, Manchester, England)

"A non-technical article on supplies, spinning, weaving, and finishing of ramie."

India. Bengal. Jute enquiry committee. Report... Volume I. Majority report. Minority reports. Appendices. 177 + 221 pp., tables. Bengal, Supt. Government Printing, 1934.

Competition of cotton and jute is mentioned throughout the report.

Appendix 1-B. History of the adoption of Universal standards for American cotton, pp. 17-26.

Appendix VIII. The Indian Central Cotton Committee, its objects, activities and achievements, pp. 123-129.

Appendix XIV. Regulated cotton markets (letters), pp. 199-212.

Institute of Pacific relations. American council. Memorandum on the American cotton textile trade with the Far East. [American Council Fortnightly Report] 3(6): 1-4. Mar. 23, 1934. (Published at 129 East 52nd St., New York, N. Y.)

"Sources", p. [4].

Is the percentage against the small mill? Textile World 84(6): 1051-1052, table. May, 1934. (Published by McGraw-Hill Publishing Co., 330 West 42nd St., New York, N.Y.)

The table shows "comparative manufacturing costs in a 200-loom mill and in a 2000-loom mill producing fine and fancy cotton goods."

Japanese manufacturers and Manchukuo tariff on textiles. Agitating for a reduction. Manchester shippers' fears. Textile Mercury and Argus 90(2351): 289. Apr. 6, 1934. (Published at 41 Spring Gardens, Manchester, England)

The reductions in Manchukuo tariffs on textiles demanded by Japanese manufacturers, are listed.

National cotton week. Manufacturers Rec. 103(5): 24. May 1934. (Published at Commerce and Water Streets, Baltimore, Md.)



Comment on plans for National Cotton Week, May 14-19, 1934, and on the present cotton textile situation.

"Official" policy blamed for cotton trade's losses in India. Duty of government to help. More facts for Mr. Runciman. Textile Mercury and Argus 90(2350): 266. Mar. 30, 1934. (Published at 41 Spring Gardens, Manchester, England)

From article in "Capital" published in Calcutta, India.

Pearse, N. S. The competition of artificial silk with Egyptian cotton. Internatl. Cotton Bull. 12(47): 317, 319. Apr. 1934. (Published at Manchester, England.)

Scheltema, A. M. A. Wird Afrika ein ernster mitbewerber für den Javakapok? Faserforschung, 10(4): 274-282, tables, charts, map. 1933. (Published at Leipzig, Germany)

"The author reviews the state of the Kapok industry in Africa and shows that this cannot yet be considered a rival to the Javanese industry owing to various cultural and economic difficulties such as the excessive height of the trees, unequal distribution of the plantations, sparse population of the country and bad transport facilities. Tables showing yearly output for various districts are given." - Jour. Textile Inst. 25(4): A162. Apr. 1934.

Stage set for National cotton week. Com. and Finance 23 (19): 404, 406. May 9, 1934. (Published by Theo. H. Price Publishing Corp., 95 Broad St., New York, N. Y.)

Reports received by the Cotton Textile Institute regarding plans for cotton week throughout the country are noted.

Sudhir, Sen. Britisch-Indien. Die entwicklung der textil-industrie. Vorgeschichte des zollkonflikts mit Japan. Wirtschaftsdienst 19(1): 21-22, tables. Jan. 5, 1934. (Published at Poststrasse 19, Hamburg, 36, Germany)

British-India. Development of the textile industry. Early history of the tariff conflict with Japan.

"The history of tariffs in India is outlined, especially in relation to recent Japanese competition. Statistics are tabulated." - Jour. Textile Inst. 25(4): A214. Apr. 1934.

Tattersall, F. W. Year of problems in the cotton trade.



Vital developments for both employers and employed. Yorkshire Observer Trade Rev. (21,882): 30, 32, chart. Jan. 22, 1934. (Published by the Bradford and District Newspaper Co., Ltd., Bradford, England)

Review of the Lancashire cotton industry for 1933.

U. S. census of manufacturers. 1931 distribution of textile fiber consumption. Textile Organon 5(5): 65-69. May, 1934. (Published by Tubize Chatillon Corporation, 2 Park Ave., New York, N. Y.)

"The 1931 biennial Census of Manufactures is now nearly complete, but is not being printed by the government due to a lack of allocated funds for this purpose. Thus we are publishing on the next page three Census tables which seem to us of outstanding importance to the textile industry." Tables show "purchased yarns consumed in textile mills, by industries, for the United States, 1925 to 1931; raw materials consumed in textile mills, by industries, for the United States, 1925 to 1931, principal materials consumed in the knit goods industry and its branches, by kind and quantity, 1931."

### Supply and Movement

Balls, W. L. Production of white cotton in Egypt. Internatl. Cotton Bull. 12 (47): 302. Apr. 1934. (Published at Manchester, England)

Can't grow it. Textile Bull. 46(11): 26. May 10, 1934. (Published by Clark Publishing Co., 118 West 4th St., Charlotte, N. C.)

Comment on statement by Hon. Josephus Daniels to American Cotton Shippers Association that if foreign countries could grow cotton in competition with American they would have done so.

Cotton in Brazil. Wileman's Brazilian Rev. 26(16): 3. Apr. 16, 1934. (Published at Rio de Janeiro, Brazil).

An increase in Brazil's share of the world's cotton production from .06% in the past to about 1% this year, is noted.

Lanham, W. B. Cooperating with Georgia ginnerers in reporting the grade and staple of cotton. 5pp., mimeogr. Washington, D. C., U. S. Dept. of Agr. Bureau of Agricultural Economics, 1934.

"Address, Georgia Cotton Ginnerers Association, Atlanta, Ga., May 24, 1934."

The author discusses the work of the grade and staple reporting service of the U. S. Department of Agriculture.

Peters, R. W. Seasonal notes on the 1933-34 cotton crop. Queensland Agr. Jour. 41(4): 359-361. Apr. 1, 1934. (Published at Brisbane, Queensland)

Replacement of American and other staple cottons by Egyptian uppers and Zagora. Internatl. Cotton Bull. 12(47): 309-313. Apr. 1934. (Published at Manchester, England)

"Paper submitted to the meeting of the Joint Egyptian Cotton Committee, Cairo, February, 1934, by the Egyptian Section of the Committee."

### Prices

C, M. G. Cotton waste trade problems. The competition of Indian staple. Manchester Guardian Com. 28(723): 343. Apr. 28, 1934. (Published at Manchester, England)

"One of the most likely developments is that the price of waste will in the future be determined by the price of Indian and not by that of American cotton."

Stover, H. J. Annual index numbers of farm prices, California, 1910-1933. Calif. Agr. Expt. Sta. Bull. 569, 71 pp., tables, charts. Berkeley, 1934.

Contribution from Giannini Foundation of Agricultural Economics.

Cotton is one of the commodities included. Tables show average annual cash income (1924-28) and monthly prices for each year 1921-1933.

### Marketing and Handling Methods and Practices

Motilal, Varjivandas. A grave cotton scandal. Indian Textile Jour. 44(519): 98. Dec. 1933. (Published at Military Square, Fort, Bombay, India)

"The author protests against the growing practice of artificially damping bales of cotton with a hose pipe in order to increase the weight by 2 or 3%. He states that hessian wrappers last only one year, instead of four or five, when the bales are watered." - Jour. Textile Inst. 25(4): A163. Apr. 1934.

Southern delivery. Cotton Digest 6(29): 21-22. Apr. 28, 1934. (Published at 703 Cotton Exchange Bldg., Houston, Tex.)

The views of members of the American Cotton Shippers Association on southern delivery are summarized.

### Services and Facilities

Alexandria, Egypt. Pourse des cotons et graines de coton disponibles. (Bourse de Minet-el-Bassal) Règlement général. Règlement intérieur

(section cotonnière). Règlement intérieur (section des graines e coton) 44 pp. Alexandrie, W. Morris limited, 1932.

Cotton and cottonseed spot market rules (Bourse de Minet-el-Bassal, Alexandria, Egypt)

Cox, A. B. Costs and services. Cotton Digest 6(29): 16-19, tables. Apr. 28, 1934. (Published at 703 Cotton Exchange Bldg., Houston, Tex.)

Address at meeting of American Cotton Shippers Association, Memphis, Tenn., April 27, 1934.

"I propose in this discussion to analyze in detail the money costs of marketing, to outline the broad services required of an efficient cotton marketing system, and in that connection I should like to suggest some defects of the system with proposed remedies and finally to discuss briefly some fundamental aspects of the cotton industry as a whole."

Also in Cotton Trade Jour. 14(18): 3. May 5, 1934.

Cox, A. B. Importance of costs and services in the cotton industry. CottonTrade Jour. 14(19): 3, tables. May 12, 1934. (Published at New Orleans, La.)

"This is the second of a series of articles." Table shows costs of marketing cotton.

Cox, A. B. Importance of costs and services in the cotton industry. Cotton Trade Jour. 14(21): 3, table, chart. May 26, 1934. (Published at New Orleans, La.)

"This is the third of a series of articles."

Table shows average costs per bale of marketing cotton. Chart shows a case study of the distribution of gingham cost, before and after code and process tax.

Donelson, F. T. Memphis the great inland spot market. Cotton Trade Jour. 14(17): 2. Apr. 28, 1934. (Published at New Orleans, La.)

[Ellis, C. P., jr.] Exchanges defended. Cotton Digest 6(31): 6-7. May 12, 1934. (Published at Cotton Exchange Bldg., Houston, Tex.)

Summary of address at annual meeting of Chamber of Commerce of the United States, May 3, 1934.

Interesting details of cotton insurance. Weekly Underwriter 130(13): 630-632. Mar. 31, 1934. (Published at 80 Maiden Lane, New York, N. Y.)

"Excerpts from a recent lecture before the New York Insurance Society's Ocean Marine Class."

Country damage and fire are mentioned as the greatest hazards to be met.



Nahas, Youssef. Egyptian standard types. Internatl. Cotton Bull. 12(47): 314-316. Apr. 1934. (Published at Manchester, England)

"I shall deal successively with two different questions, but both concerning Egyptian standard types. The first is standard types for grade, and the second standard types for quality, length and strength."

Rodin, Thor. Arbitrage in commodities. Com. and Finance 23(19): 394. May 9, 1934. (Published by Theo. H. Price Publishing Corp., 95 Broad St., New York, N. Y.)

Letter discussing the distinction between stock exchanges and commodity exchanges, and the purpose of commodity exchanges.

### Cooperation in Marketing

Iyengar, G. S. R. Agricultural co-operation and co-operative cotton sale work. Jour. Mysore Agr. and Expt. Union 14(1): 19-22. [1933?] (Recd. May 1934) (Published at Bangalore, Mysore, India)

Pure seed of "selection 69" is distributed by the Maradihally Co-operative Society, Unlimited, Hiriur Taluk. The Society's methods of selling the cotton produced from this seed are described.

Mid-South wins a complete legal victory. Mid-South Cotton Assoc. News 11(9): 2. Apr. 1934. (Published by Mid-South Cotton Growers Association, Memphis, Tenn.)

Gives excerpts from court decision in case regarding the right of the Association to make deductions for reserves.

### UTILIZATION

#### Fiber, Yarn, and Fabric Quality

Balls, W. L. Jute fibres in cotton. Internatl. Cotton Bull. 12(47): 301-302. Apr. 1934. (Published at Manchester, England)

Statement of results of tests on bales wrapped with cotton and with hessian bale covers.

Brandt, C. D. New twist formula based on recent investigations of relation between twist and strength. Textile World 84(6): 1054-1055, charts, May, 1934. (Published by McGraw-Hill Publishing Co., 330 West 42nd St., New York, N. Y.)

"It would be difficult to say how long we have employed 'the square root of the yarn number multiplied by a constant' as a formula for cotton-yarn twist. Recent tests conducted at the Texas Technological College indicate that



this familiar formula is not flexible enough and should be replaced by a new one, as explained herein."

Brown, S. S. X-rays and fiber structure. Textile Colorist 56(664): 247, 276. Apr. 1934. (Published at Woolworth Bldg., 233 Broadway, New York, N. Y.)

Campbell, W. B. Hydration and beating of cellulose pulps. Indus. and Engin. Chem. (Indus. Ed.) 26(2): 218-219. Feb. 1934. (Published at Mills Bldg., Washington, D. C.)  
Literature cited, p.219.

The author includes a review of facts about cellulose-water relationships.

Clark, G. L., and Southard, Julia. Sorption on cotton fibers of dyes with varying molecular association in solution. Physics 5(3): 95-100, illus., tables, charts. Mar. 1934. (Published by American Institute of Physics, Prince and Lemon Sts., Lancaster, Pa.)

"X-ray diffraction patterns of aqueous solutions of the oxazine dye, Nile blue sulfate, yield direct evidence of a varying molecular association as a function of concentration, which was previously indicated by Cohen's potentiometric and spectrophotometric data. Solutions of the order of millionth molar approach obedience to the laws of dilute solutions; in moderate concentrations of the order of  $5 \times 10^{-4}$  molar the dye molecules associate to micellar structures; and in concentrated solutions the association proceeds to the stage of precipitation. The largest change in the value of the identity spacing  $d$  corresponding to the inner edge of the principal diffraction halo is found to begin with about  $10^{-4}$  molar solutions. The attempt is then made to measure pore sizes in cotton fibers from the relative absorbability of the dye from its solutions over such a range of molecular and aggregate dimensions. Nile blue sulfate and methylene blue solutions before and after addition of absorbent cotton were subjected to spectrophotometric analysis. Again it is indicated in the case of the former that there is a large increase in dye absorption by the cotton corresponding to the change with increasing dilution from micellar to molecular dimensions which are compatible with predominating cotton pore sizes."

Colin, J. A. Au sujet de la torsion des retors. L'Industrie Textile 51(572): 13-14. Jan. 1934. (Published at 171 Rue du Faub (9) Poissonnière, Paris IX, France)

"The method of calculating the number of turns per

unit length required to produce in a folded yarn of different composition the same angle of twist as in a given standard folded yarn is explained. For folded yarns having different numbers of components, the required twist is proportional to the square root of the counts of the folded yarn. For folded yarns having different numbers of components, but with the same single counts, the twist is inversely proportional to the number of components. For folded yarns having different numbers of components and different singles counts it is sufficient to calculate the required twist, assuming the number of components to be equal to those of the standard but of different counts and then to correct for the different number of components." - Jour. Textile Inst. 25(4): A170. Apr. 1934.

Conrad, C. M. The problem of character in raw cotton. Cotton [Atlanta] 98(4): 62. Apr. 1934. (Published by W. R. C. Smith Publishing Co., Atlanta, Ga.)

"Abstract of paper presented at the meeting of Section I on cotton, committee D-13, American Society for Testing Materials, at Washington, D. C., March 8, 1934."

Davis, L. W. Science suits fashion's fads. Sci. Amer. 150(3): 128, illus. Mar. 1934. (Published by Munn & Co., Inc., 24 West 40th St., New York, N. Y.)

Illustrations show wool, cotton, silk and rayon fibers under the microscope. Reasons for luster and methods of delusterizing are given.

Davis, W. and Buckley, G. H. Abrasion testing of knitted textiles. Jour. Textile Inst. 25(4): T133-T140, charts, diagr. Apr. 1934. (Published at St. Mary's Parsonage, Manchester, England)

The testing apparatus is described. Woolens and cotton fabrics were tested.

Doehner, H. A new method of objectively determining the fineness of wool and textile fibers. Rayon and Melliand Textile Mo. 15(5): 239-241, illus., diagr. May, 1934. (Published by Rayon Publishing Corp., 303 Fifth Ave., New York, N.Y.)

The "Lanameter" is described.

Duerden, J. E. Spirality in the growth of wool fibers. Sci. 79(2056): 477-479, illus. May 25, 1934. (Published at Grand Central Terminal, New York, N. Y.)

This is a further contribution to the discussion of the spiral habit of growth in organisms. References to the earlier discussions are given.

Great Britain. Department of scientific and industrial research. Report for the year 1932-33. 189 pp., tables,

charts. London, H. M. Stationery off., 1934.

Fabrics research, p.80. British Cotton Industry Research Association, pp.103-104.

H., E. The drama of man-made materials. Arts and Decoration 40(6): 15-27, illus. Apr. 1934. (Published at 578 Madison Ave., New York, N. Y.)

Illustrations show cotton and rayon fabrics under the microscope.

Harper, F. H., and Lanham, W. B. The analysis of variance method of measuring differences between staple-length designations of press-box and cut samples of cotton. 29pp, mimeogr. Washington, D. C., U. S. Dept. of Agriculture, Bureau of Agricultural Economics, 1933.

"Prepared for use of the staff of the Division of Cotton Marketing."

"This report presents, in addition to some of the results of the study described by the title, a method of statistical analysis that has been adapted and found useful in the interpretation of differences and variability in series of paired and replicate staple-length observations on cotton samples. In addition to the principal discussion, relating to differences in classification of press-box and cut samples of cotton representing the same bales, there are presented as appendices discussions on the measurement of average differences in two series of observations and on the analysis of variability in replicate observations."

Köhler, Sigurd. Fysikaliska metoder för provning av textilfibrer och produkter. 30 pp., illus., charts, diagsr. Stockholm, 1930.

Physical methods for testing textile fibers and fabrics.

Köhler, Sigurd. The influence of fibre-length on the proportion of fibre-strength utilised in cotton yarn. Jour. Textile Inst. 25(4): T141-T149, charts. Apr. 1934. (Published at St. Mary's Parsonage, Manchester, England)

Moore, J. H., and Stutts, R. T. Spinning quality of cotton in relation to seed purity and care of seed-stocks. N. C. Agr. Expt. Sta. Tech. Bull. 45, 37 pp., illus. Raleigh, 1934.

"The present study proposed to measure the changes in fiber properties of one standard strain of cotton when grown and handled under farm conditions and to evaluate the relation of these changes to spinning quality."

Neubert, Hans. Vergleichende untersuchungen über "Kapok" verschiedener herkunft. Faserforschung 10(4): 227-261.



1933. (Published at Leipzig, Germany).

"The various kinds of vegetable downs and wools collectively termed 'kapok' are exhaustively discussed with regard to their botany, nomenclature, colour, lustre, hardness, curliness, shape of seeds, lignin reactions, and microscopic structure. Directions are given for recognising the various botanical forms." - Jour. Textile Inst. 25(4): A162. Apr. 1934.

Newby, D. A. The Alexandria testing house progress report. Period--April 1933, to January, 1934. Internatl. Cotton Bull. 12(47): 293-296, 299-301. Apr. 1934. (Published at Manchester, England)

Parks, L. R., and Keller, M. P. Preparation of standard cellulose for dyeing experiments. Amer. Dyestuff Rptr. 23(4): 83-86. Feb. 12, 1934. (Published at 440 Fourth Ave., New York, N. Y.)

"Purified cotton as prepared by Leighton (1916) gave a practically constant percent. of cellulose, but failed to give aqueous extracts of a constant and reproducible pH. The pH of the cotton depended on the length of time that the hydrochloric acid remained on the cotton. A large quantity of standard and reproducible lignin-free, unmercerised, and neutral cellulose can be prepared by treating cotton skeins, with 1% sodium hydroxide solutions for successive periods of 18 hours at boiling until the solution from the cotton reflux is a light straw colour. The cotton is then washed with distilled water until no reaction with phenolphthalein is obtained. Carbon dioxide is then bubbled into water containing the cotton, and the operation is repeated. The cotton is then washed and dried in an oven at 102° C. for 48 hours. The ash content is reduced to 0.05%." - Jour. Textile Inst. 25(4): A213. Apr. 1934.

Salley, D. J. The oxidation of mannitol by oxygen photosensitized by hydrogen peroxide. Jour. Phys. Chem. 38(4): 465-473, tables, charts. Apr. 1934. (Published by Williams & Wilkins Co., Baltimore, Md.)

Salley, D. J. Studies in cellulose deterioration. I. The autoxidation of mannitol. Jour. Phys. Chem. 38(4): 449-463, illus., tables, charts. Apr. 1934. (Published by Williams & Wilkins, Co., Baltimore, Md.)

References, pp.462-463.

Scott, R. A. C. Doubtful diameters -- serious disagreement in yarn formulas for fabric designer. Textile World 84(6): 1056-1057. May 1934. (Published by McGraw-Hill Publishing Co., 330 W. 42nd St., New York, N. Y.)

The author "has been comparing the famous Ashenhurst formulas for diameter with those of Woodhouse and Brand,

and he has noted a serious disparity between them--particularly in the case of cotton and woolen yarns. He believes, however, in the reliability of the Ashenhurst basis."

Shemshurin, N. A. and Solov'ev, A. N. Issledovanie khlopkovogo volokna. Rukovodstvo. 278 pp., illus. Moskva, 1933.  
Investigation of cotton fibers.

Steinberger, R. L. Elastic and plastic properties of textile fibres. Part III.--Swelling of cotton and cellulose acetate when exposed to air at various relative humidities. Textile Research 4(7): 331-347, charts, tables. May, 1934. (Published by United States Institute for Textile Research, 65 Franklin St., Boston, Mass.)

References pp. 346-347.

"A method is described whereby the swelling of single fibres in air of varying relative humidity (R.H.) may be watched under the microscope. Results for changes in exterior dimensions and twist of a cotton fibre, also for changes in section area in both cotton and Celanese, with changes in R.H. are given. The rate of contraction of section area in Celanese when the dry fibre is exposed to air at 100% R.H. and the rate of swelling of section when the wet fibre is exposed to dry air are given. A qualitative explanation of results is offered." - Abstract.

Steinberger, R. L. The stress-strain relation in textile fibers. Physics 5(2): 53-60, diagr., charts. Feb. 1934. (Published by American Institute of Physics, Prince and Lemon Sts., Lancaster, Pa.)

"Stress-strain relations for eight common textile fibers are given (four rayons, silk, wool, cotton, and ramie) under known humidity conditions. The method has two novel features: (1) In each experiment the section area was determined on the specific fiber under test, (2) the elongations were made in steps, with a relaxation interval of 30 seconds between stress observations, rather than at a constant rate which is the usual practice. The rayons exhibit an accurately linear initial curve from which Young's modulus can be determined, followed by a yield point and a long region of plastic flow. The curves for cotton and ramie are linear with no plastic yield in the range examined. In silk and wool there is no proportionality between stress and strain. Cellulose acetate exhibits the phenomena of 'cold working' and marked increase of total and elastic energy with falling relative humidity. The application of Maxwell's relaxation equation is examined."

Stevens, H. P. Textile finishes research. Textile Recorder 51(613): 47-49, illus., diagr. Apr. 1934. (Published at 121 Deansgate, Manchester, England)

To be continued.

"Part of an Interim Report dealing with an investigation carried out on behalf of the Rubber Growers' Association. The investigation was initiated with the object of using latex or rubber dispersions as a constituent of the sizes used for calico printing, dyeing and stiffening."

Templeton, J. Problems that confront the botanical section in respect of new cottons. Internatl. Cotton Bull. 12 (47): 303-305. Apr. 1934. (Published at Manchester, England)

Difficulties in marketing new Egyptian varieties are described. Technological characteristics of some of these varieties are given.

[United States Institute for textile research] Fabric wear resistance and methods of measuring it. Textile Research 4(7): 348-353. May 1934. (Published by United States Institute for Textile Research, 65 Franklin St., Boston, Mass.)

Summary of discussion at a conference held in New York City, March 24, 1934.

Vappakh, T. G. Analiz effektivnosti v opytnom dele. Tashkent, Nauchno-Issledovatel'skii Institut po Khlopkovodstvu. Proc. All-Union Scientific Research Institute of Cotton Culture and Industry (NIKhI), no. 24, 13 pp., Tashkent, U.S.S.R. 1930.

Analysis effective in experiments.

Walsh, H. J. Can your sheets take it? Pictorial Rev. 35(8): 50-51, 53, illus. May, 1934. (Published at 222 West 39th St., New York, N. Y.)

Illustrations show photomicrographs of sheets of different qualities.

Webb, R. W., and others. A study of the raw cotton and the yarn and sheeting manufactured from three grades of American upland cotton. U. S. Dept. Agr. Tech. Bull. 406, 69 pp., illus, tables, charts. Washington, D. C. 1934.

Literature cited, pp.66-69.

Prepared by the Bureau of Agricultural Economics and the Bureau of Home Economics in cooperation with Clemson Agricultural College.

Setting of the problem, by R. W. Webb, pp.1-2; The manufacturing procedure and some properties of the raw cotton, intermediate products, yarns, and fabrics, by



H. H. Willis and R. W. Webb, pp. 2-24; Serviceability of the fabrics, by M. B. Hays and R. E. Elmquist, pp. 24-48; Effects of ironing temperatures upon the fabrics, by K. M. Downey and R. E. Elmquist, pp. 48-64.

Zakoshchikov, A. P. Tekstil'niiia mikroskopiia. Tashkent, Nauchno-Issledovatel'skii Institut po Khlopkovodstvu. Proc. All-Union Scientific Research Institute of Cotton Culture and Industry (NIKHI), no. 48, 144 pp., illus. Tashkent, U.S.S.R., 1931.

Literatura, pp. 131-133.  
Textile microscopy.

### Technology of Manufacture

Atkinson, G. L. Temperature control. Possibilities and economies in the textile industry. Amer. Dyestuff Rptr. 23(8): 191-193. Apr. 9, 1934. (Published at 440 Fourth Ave., New York, N. Y.)

Beede, H. G. Large package ring spinning and twisting. Whitin Rev. 2(2): 16-25, charts. Apr. 1934. (Published by Whitin Machine Works, Whitinsville, Mass.)

Engels, Franz. Wie kann die gleichmässigkeit der baumwoll-wickel auf den schlagmaschinen gesteigert werden? Melliand Textilberichte 15(2): 53-55, illus., diagr. Feb. 1934. (Published at Heidelberg, Germany)

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Read, John. Elementary textile design and fabric structure. 95 pp., illus. New York, Longmans, Green & Co., 1931.

"This book has been prepared for the use of students in the elementary grades of fabric structure and textile design, and particularly for those who are interested in cotton fabrics."

[Society of chemical industry] Air conditioning in textile mills. A conference on air conditioning and an exhibition of apparatus was held in Leeds on April 6. Textile Recorder 51(613): 37, 39, illus. Apr. 1934. (Published at 121 Deansgate, Manchester, England)

[Southern textile association. Carders' division] Many interesting questions discussed at Carders meeting in Greenville. Textile Bull. 46(13): 3-5, 8, 24-25, 27. May

24, 1934. (Published by Clark Publishing Co., 118 West 4th St., Charlotte, N. C.)

Report of meeting at Greenville, S. C., May 19, 1934.

The questions discussed included: Mixing and blending cotton; one-process picking; oiling cotton; grinding cards; evenness of roving.

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Truslow, J. L. Long draft roving. A report of progress. Whitin Rev. 2(2): 6-9, illus. Apr. 1934. (Published by Whitin Machine Works, Whitinsville, Mass.)

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Cleveland, C. E. Cottons for decoration. Prog. Farmer (Ga.-Ala. Ed.) 49(3): 33, illus. Mar. 1934. (Published at 821 North 19th St., Birmingham, Ala.)

[Cotton-textile institute] Extending the realm of king cotton. Com. and Finance 23(19): 408, 410. May 9, 1934. (Published by Theo. H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

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ing farm products, as recommended by the U.S. Department of Agriculture, Division of Cotton Marketing.

O'Brien, Ruth, and Ward, M. M. Present guides for household buying, U.S. Dept. Agr. Misc. Pub. 193. 31 pp., tables. Washington, D. C. 1934. Literature cited, pp.25-31. Textiles and clothing, pp. 16-19.

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Review of cottonseed and cottonseed oil markets, including statistics, pp. 87-93.

Hilditch, T. P., and Jones, E. C. Regularities in the glyceride structure of some technically important vegetable fatty oils. Jour. Soc. Chem. Indus. [London] 53(3): 13T-21T, tables. Jan. 19, 1934. (Published at Central House, 46, Finsbury Square, London, E. C. 2, England)

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Shirname, T. G. Marketing of some agricultural products exported from Bombay to the United Kingdom. Bombay Dept. Agr. Bull. 173, 73 pp., tables. Bombay, India. 1933.

Cottonseed, pp. 31-36.

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[American cotton shippers association] AAA amendments. Shippers file protest. Cotton Digest 6(32): 7-8. May 19, 1934. (Published at Cotton Exchange Bldg., Houston, Tex.)

The text of a brief filed with the Senate Committee on Agriculture and Forestry, May 17, 1934, is given in full.

[Bankhead, John] Voice of cotton farmers heard in Washington

as evidenced by passage of Bankhead legislation. Tex. Co-operative News 14(5): 4. May 1, 1934. (Published by Texas Cotton Co-operative Publishing Co., Dallas, Tex.)

Abstracts from comment of Senator Bankhead on the cotton control bill.

The Bankhead bill. Oil Miller and Cotton Ginner 64(3): 6, 9, table. May, 1934. (Published at 161 Spring St., N.W., Atlanta, Ga.)

The table shows allotments under the Bankhead Act. Also in Amer. Fertilizer 80(9): 12, table. May 5, 1934.

Brazil - promotion of cotton exports. Textile Raw Material (33): 2. Apr. 23, 1934. (Published by Bureau of Foreign and Domestic Commerce, U. S. Department of Commerce, Washington, D. C.)

"A decree issued by the Government on April 2, 1934, places the ginning and baling of all kinds of cotton under the technical supervision of the Government. This decree requires that all ginning and baling establishments must register with the Directorate of Textile Plants and must secure a license for operating. Such establishments will be inspected annually and those not in a condition to operate efficiently will be prohibited from functioning. Only such cotton as has been ginned and baled under the control of the Directorate of Textile Plants will be permitted to be exported." - Entire item.

Brehm, C. E. Cotton sign-up and pools. South Agr. 64(5): 12. May, 1934. (Published at 1523 Broadway, Nashville, Tenn.)  
Explanation of what the Agricultural Adjustment Administration is doing.

Briggs, F. A. Co-ordination in the cotton program. Farm and Ranch 53(8): 10. Apr. 15, 1934. (Published at 3306 Main St., Dallas, Tex.)

The joint resolution, proposed by Senator Tom Connally of Texas, for the coordination of the cotton program of U. S. Department of Agriculture, is discussed.

Bruère, R. W. Work of Cotton textile national industrial relations board. Textile Bull. 46(9): 20, 28. Apr. 26, 1934. (Published by Clark Publishing Co., 118 West 4th St., Charlotte, N.C.)

"Report before American Cotton Manufacturers' Association" April 19 and 20, 1934.

Brumbaugh, Norma. Less cotton helped home. Prog. Farmer

and South. Ruralist (Tex. ed.) 49(5): 30. May, 1934.  
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The author "tells us that the acreage reduction program has given the farm home maker more time in the home with her children. It has kept children in school, provided needed medical attention, new clothing for the whole family, conveniences for the home, as well as other comforts of rural life."

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Chew, A. P. Administering the Bankhead Act. Through cooperation with the AAA aims to assure curb on cotton crop. Barron's 14(18): 9. Apr. 30, 1934. (Published at 44 Broad St., New York, N.Y.)

A review of the aims of the Bankhead Act, which "launches a unique experiment in the compulsory restriction of cotton growing."

Dowdle, L. P. The Smith-Kleberg bill. Cotton and Cotton Oil News 35(17): 14. Apr. 28, 1934. (Published by Ginner and Miller Publishing Co., P. O. Box 444, Dallas, Tex.)

"The Smith-Kleberg Bill will, when enacted into law, materially increase the value of cottonseed."

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Ginners association of South Carolina. Oil Miller and Cotton Ginner 64(3): 5-6. May, 1934. (Published at 161 Spring St., N.W., Atlanta, Ga.)

Brief report of meeting held April 12, 1934 at Columbia, S. C., at which the ginners' marketing agreement was discussed.

Gore, T. P., and Johnston, J. H. More light on the proposed tax on foreign oils. Cotton and Cotton Oil News 35(18): 3-4. May 5, 1934. (Published by Ginner and Miller Publishing Co., P. O. Box 444, Dallas, Tex.)

Letter from Senator Gore to Mr. Johnston of the Oklahoma Cottonseed Crushers' Association, and reply.



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"Excess capacity... and the resultant ever present threat of momentary overproduction, is what brought about the ruinous losses for the cotton textile industry prior to the establishment of the cotton textile code." The effect of the code is stated.

Here's how Bankhead bill affects farmer. Okla. Farmer-Stockman 47(9): 3, 13. May 1, 1934. (Published by Oklahoma Publishing Co., Oklahoma City, Okla.)

[Jasspon, W. H.] Oils and fats tax protection. Cotton Oil Press 18(1): 12. May, 1934. (Published by Interstate Publishing Co., Inc., Memphis, Tenn.)

"Statement on situation following passage of revenue bill, including excise tax on all vegetable oils competing with cotton oil."

Johnson, E. H. Difficulties in blanket cotton policy. Farm and Ranch 53(9): 23. May 1, 1934. (Published at 3306 Main St., Dallas, Tex.)

The author thinks that "the three subdivisions of the American cotton belt--the Southwest, the Mississippi alluvial lowlands, and the sandy Southwest have inherent differences in their natural environmental set-up" which make it doubtful that a blanket policy will be for the best interests of all.

[Johnston, Oscar] American cotton shippers hear government official. Cotton Trade Jour. 14(17): 1, 12. Apr. 28, 1934. (Published at New Orleans, La.)

Report of speech at meeting of American Cotton Shippers Association, Memphis, April 27, 1934, regarding operations of the AAA pool.

Also in Cotton Digest 6(30): 7-8. May 5, 1934.

[Johnston, Oscar] [The government's duty to agriculture] Cotton Trade Jour. 14(18): 1, 3. May 5, 1934. (Published at New Orleans, La.)

Summary of address at convention of American Cotton Shippers' Association, April 27, 1934.

Marchant, T. M. Address...before the American cotton manufacturers association...April 19, 1934. 25pp., tables. Charleston, S. C.

The president of the American Cotton Manufacturers Association surveys the state of the industry under the NRA

Abstract in Textile Bull. 46(9): 5-7, 34-35. Apr. 26, 1934.

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[Memphis cotton exchange] Memphis exchange protests parts of cotton code. Cotton Trade Jour. 14(17): 1, 12. Apr. 28, 1934. (Published at New Orleans, La.)

Statement regarding proposal to permit mills to store cotton shipped on consignment.

Miller, Dale. Judge for yourself. Tex. Weekly 10(17): 8-9. Apr. 28, 1934. (Published at Dallas, Tex.)

Comment on address by Secretary of Agriculture H. A. Wallace on the government's cotton acreage reduction and foreign trade policies.

[Molyneaux, Peter] Which path will America choose? Tex. Weekly 10(17): 4-6. Apr. 28, 1934. (Published at Dallas, Tex.)

This radio address "is one of a series based on Secretary Wallace's pamphlet, 'America Must Choose', and sponsored by the Foreign Policy Association and the World Peace Foundation, in cooperation with the National Advisory Council on Radio in Education." The effect of tariff policies on production of cotton is discussed.

Quigley, T. H. Industrial relations under the cotton textile code. Textile Bull. 46(13): 6, 22-23. May 24, 1934. (Published by Clark Publishing Co., 118 West 4th St., Charlotte, N. C.)

Remarks at the annual meeting of the Cotton Manufacturers' Association of Georgia at Sea Island Beach, May 18th, 1934.

Reed, T. R. Bankhead cotton reduction law explained. Ark. Farmer 32(3): 1. May 15, 1934. (Published at Little Rock, Ark.)

Revere, C. T. Cotton and other problems. New York, Munds, Winslow & Potter, 1934.

The author discusses the Bankhead bill.

Richardson, T. C. Toward a national cotton policy. Cotton and Cotton Oil News 35(20): 4, 9. May 19, 1934. (Published by Ginner and Miller Publishing Co., P. O. Box 444, Dallas, Tex.)

Includes resolution passed by Association of Southern Agricultural Workers at the annual meeting in Memphis, Tenn., Feb. 2, 1934, and discussion of "Senate Joint Resolution No. 87, proposed by Senator Tom Connally of Texas", providing for a "Cotton Coordinating Fact Finding Commission."

Seymour, L. A. Vicious cotton acreage reduction. Cotton Trade Jour. 14(21): 2. May 26, 1934. (Published at New

Orleans, La.)

The author discusses the probable effect of the government's acreage reduction policy on number of persons employed in the cotton and cottonseed industries.

Sloan, G. A. National recovery to date and in prospect. Textile Bull. 46(9): 8-9, 35. Apr. 26, 1934. (Published by Clark Publishing Co., 118 West 4th St., Charlotte, N.C.)

"Abstract of address before convention of American Cotton Manufacturers' Association, Charleston, S. C., April 19-20, 1934."

Also in Cotton Trade Jour. 14(17): 9-10. Apr. 28, 1934; Fibre and Fabric 87(2569): 10-12. Apr. 28, 1934; Amer. Wool and Cotton Rptr. 48(17): 13-14, 18, charts. Apr. 26, 1934; and Textile Weekly 13(323): 279-280. May 11, 1934.

Smith, H. C. Alabama ginners association. Oil Miller and Cotton Ginner 64(3): 4-5. May, 1934. (Published at 161 Spring St., N. W., Atlanta, Ga.)

The author discusses the Bankhead bill.

Thomas, Norman. Starve and prosper. Current Hist. 40(2): 135-140. May 1934. (Published by New York Times Co., New York, N. Y.)

Effects of the Agricultural Adjustment Act and the Bankhead Act, with special reference to the cotton tenant, are discussed.

U. S. Congress. House committee on agriculture. Investigate present system for futures trading in agricultural products. Hearings before a subcommittee... Seventy-third congress, second session, on...H.J. Res. 226, March 13, 1934. Serial L. 57-69 pp. Washington, U. S. Govt. print. off., 1934.

U. S. Congress. House. Committee on ways and means. Revenue revision, 1934. Hearings... seventy-third Congress, second session. December 15 to 21, 1933, and January 9 to 11, 1934. 940 pp., tables, charts. Washington, U. S. Govt. print. off., 1934.

Testimony regarding a tax on imported fats and oils (pp. 579-723) includes statements by the following: W. J. Jasspon, Memphis, Tenn., representing the Independent Cotton Oil Seed Crushers, pp. 596-605; John B. Gordon, Washington, D. C., Secretary of the Bureau of Raw Materials for American Vegetable Oils and Fats Industries, pp. 612-631; Lois P. Dowdle, Washington, D. C., Director of the American Institute of Home-Grown Fats and Oils, pp. 665-674; T. S. Kenan, President Atlanta Cotton Oil Co., Atlanta, Ga., pp. 674-677; U.B. Blalock, General Manager of the North Carolina



Cotton Growers Cooperative Association, Raleigh, N. C., pp. 680-681; J. I. Morgan, Farmville, N. C., Representing the National Cottonseed Products Association, pp. 682-686.

- U. S. Department of agriculture. Agricultural adjustment administration. Cotton production section. Preliminary questions and answers covering the Bankhead act. U. S. Dept. Agr. AAA Form B. A.-1, 12 pp., table. Washington, D. C. 1934.
- U. S. Department of agriculture. Agricultural adjustment administration. Questions and answers covering 1934 and 1935 cotton acreage reduction plan. U. S. Dept. Agr. A.A.A. Form Cotton 4, 12 pp. Washington, D. C. 1933.
- U. S. Department of agriculture. Bureau of agricultural economics. Regulations for cotton warehouses. U. S. Dept. of Agr., S.R.A., B.A.E., 126, (rev.) 23 pp. Washington, D. C. 1934.
- U. S. Tariff commission. Long-staple cotton. Report under the provisions of section 332 of the tariff act of 1930. 225 pp., tables, mimeogr. [Washington, D. C. 1934]  
Reports the effect on the long-staple cotton industry of the United States of the duty of 7¢ a pound.

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American cotton manufacturers association. Report of traffic committee. Textile Bull. 46(9): 14, 16, 33. Apr. 26, 1934. (Published by Clark Publishing Co., 118 West 4th St., Charlotte, N. C.)

American cotton manufacturers association. 38th annual convention. Textile Bull. 46(9): 10-11, 31. Apr. 26, 1934. (Published by Clark Publishing Co., 118 West 4th St., Charlotte, N. C.)

Report of meeting held at "Charleston, S. C., on April 19 and 20th", 1934. Resolutions regarding changes in NRA, tariff, and processing taxes, are given.

Also in Amer. Wool and Cotton Rptr. 48(17): 23, 38. Apr. 26, 1934, and in Textile World 84(6): 1038-1041, May, 1934.

[American cotton shippers association] Strong recommendations up for shippers' consideration. Cotton Trade Jour. 14 (17): 3. Apr. 28, 1934. (Published at New Orleans, La.)

Reports of committees at meeting at Memphis, April 27, 1934.

[Cotton manufacturers' association of Georgia] Georgia manufacturers in annual meeting. Textile Bull. 46(13): 11. May 24, 1934. (Published by Clark Publishing Co., 118 West 4th St., Charlotte, N. C.)

Report of meeting held May 18 and 19, 1934, at Sea Island Beach, Ga.

Feiker, F. M. The training of men for the textile industry. An analysis of the opportunities for trained men in the textile industry, of the specialized training necessary for equipping men for the problems of the industry, and of the relation of the present textile engineering schools to such a program. With recommendations for immediate and future changes in the curricula of textile educational institutions. 47pp. charts. Washington, D. C., Textile Foundation [1934].

Extracts in Textile Bull. 46(11): 6-7. May 10, 1934.

[Garrow, J. W.] President J. W. Garrow's address. Cotton Digest 6(29): 5, 7, 9-10. Apr. 28, 1934. (Published by Cotton Digest Publishing Co., 703 Cotton Exchange Bldg., Houston, Tex.)

Full text of address at convention of American Cotton Shippers Association, Memphis, Tenn., April 27, 1934.

Also in Cotton Trade Jour. 14(17): 1, 5-6. Apr. 28, 1934.

Johnson, T. S. Industrial education in the southern states. Mech. Engin. 56(4): 221-222, 244. Apr. 1934. (Published by American Society of Mechanical Engineers, 29 West 39th St., New York, N.Y.)

"Since by far the largest and most important of the industries of the South is the textile industry it will be of interest to consider some of the work done in these subjects. Originally, the industry confined its attention to plain yarns and coarse goods, requiring a minimum of skilled labor. Many operatives came from the older textile centers of the North and gradually there was built up by actual mill training a body of men large enough to operate the relatively simple processes. With the extension of the industry and the development of finer yarns and finished products, it has been necessary to add special training, most of which has come through the trade and industrial classes. These are made possible through Federal appropriations under the Smith-Hughes law."

Pearse, A. S. Joint international Egyptian cotton committee meetings. Indian Textile Jour. 44(522): 221. Mar. 1934. (Published at Military Square, Fort, Bombay, India)

Resolutions adopted at meetings held in Alexandria and Cairo, February 15, 17, 18, and 19, 1934, are reviewed.

Shroff, E. F. Textile education. Indian Textile Jour. 44 (522): 209-210. Mar. 1934. (Published at Military Square, Fort, Bombay, India)

The author considers "the scope of textile education in the cotton industry, as available in the Bombay Presidency," India.

Texas cotton association. Addresses delivered at the twenty-third annual convention, Dallas, Texas, March 16-17, 1934. 32 pp. [Dallas, Tex., 1934].

Contains the following addresses: Annual address of the President by R. O. Harvey, pp. 1-5; Cotton and the American export trade, by Thos. H. Taylor, pp. 6-13; A permanent plan for agriculture, by J. E. McDonald, pp. 14-24; Cotton and Government control, by Victor H. Schoffelmayer, pp. 25-29; Address by Lynn P. Talley, pp. 30-32.

West Indian sea island cotton conference, Trinidad, 1933. 19 pp., tables. Trindiad, Govt. printer, 1933.

Contains findings and proceedings of conference held November 1, 2, 3, and 6, 1933, and objects and rules of the West Indian Sea Island Cotton Association.